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Meeting Minutes Transmittal/Approval
Unit Manager's Meeting: Remedial Action and Waste Disposal Unit/Source Operable Unit
Washington State Department of Ecology, Room 5, Kennewick, Washington
May 15, 1996

FROM/APPROVAL: _____ Date June 14, 1996
Bryan Foley, 200 Area Unit Manager, RL (H0-12)

APPROVAL: for _____ Date 6/14/96
Jack Donnelly, 200 Area Unit Managers Ecology (B5-18)

APPROVAL: _____ Date 6/14/96
Paul Beaver, 200 Area Aggregate Area Unit Managers, EPA (B5-01)

Meeting Minutes are attached. Minutes are comprised of the following:

Attachment #1	-	Agenda
Attachment #2	-	Meeting Summary and Handouts
Attachment #3	-	200 Areas Strategy Meeting Grid
Attachment #4	-	200 Areas Source Operable Unit Strategy Action Item List
Attachment #5	-	200 Areas Source Operable Unit Strategy Parking Lot Items

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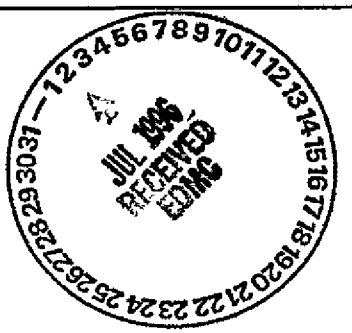


Prepared by: _____ Date 6/14/96
Greg B. Mitchem, ERC (H0-17)

Concurrence by: _____ Date 6/14/96
Vern Dronen/Greg B. Mitchem, BHI Remedial Action and Waste Disposal Project (H0-17)

Attachment 1

AGENDA - 200 AREAS STRATEGY WORKSHOP
MAY 15, 1996, 1:00 - 4:30 P.M.
ECOLOGY OFFICES

1. Introduction
   - What's New
   - Review Agenda
   - Business; Minutes Signoff, Time Constraints, Planned Interruptions
2. Review Action Item List and Parking Lot List
3. Results of Subteam Work on Characterization
4. Results of Subteam Work on Prioritization
5. Establish Technical Document Subteam
6. Strategy Document Review
7. Parking Lot
8. Wrap-up
   - Next Meeting
   - Where Do We Go From Here
   - Summarize Action Items

Meeting Minutes 200 Areas Strategy Group
May 15, 1996

1.0 INTRODUCTION

The meeting started at about 8:15 a.m. in the large conference room at the Washington State Department of Ecology's (Ecology) Kennewick office.

1.1 WHAT'S NEW

Michael Galgoul may assist Greg Mitchem in handling the flip chart and board work.

1.2 REVIEW AGENDA

- Meeting agenda should be sent "Draft" before meeting.
- Agenda was rearranged to allow Joan Bartz to participate in the subgroup on characterization report.

1.3 MEETING MINUTES REVIEW/SIGN-OFF

Bryan Foley and Paul Beaver signed the April 18, 1996, minutes. Jack Donnelly was not present and Suzanne Dahl volunteered to bring the minutes to him to sign. The minutes from the May 8, 1996, meeting were reviewed and redlined based on a comments. The May 8, 1996, minutes will be revised for sign-off at the next meeting.

2.0 REVIEW ACTION ITEMS LIST AND PARKING LOT LIST

The review of this topic was deferred.

3.0 RESULTS OF SUBTEAM WORK ON PRIORITY

Paul Beaver presented the results of the subgroup on "Priorities." He explained that the subgroup completed discussions on characterization but not remediation. A second meeting will be scheduled for the subgroup to complete the work. The minutes from the May 13, 1996, priority subgroup meeting are attached. The following were items of feedback from the group.

- Concern was raised about whether we were mixing characterization and remediation priorities. It was agreed that this will be applied to characterization of the representative sites.

- Priority subgroup should establish representative site selection criteria. Once the criteria are developed (e.g., "Impacts to groundwater"), the technical document team will collect the data, apply the criteria, and justify the result.

- Prioritization criteria will be applied starting at top and working down.

- Overall 200 Areas "Priority approach should look at items such as 'Barrier Testing' versus NRDWL versus GW Impacts investigation," as part of the remediation priorities.

4.0 RESULTS OF SUBTEAM WORK ON CHARACTERIZATION

Suzanne Dahl presented the results of the subgroup on "Characterization." The minutes from the May 15, 1996, characterization subgroup meeting are attached. She explained that the subgroup completed discussions on liquid waste sites but not burial grounds. Also that the focus was not on characterization of sites to implement a presumptive remedy. The following were items of feedback from the group.

- Should characterization help determine if potential remedial actions will work? The Group agreed that the characterization of the representative sites would support remediation.

- What level of characterization is needed to implement a presumptive remedy? The group discussed as an example NRDWL where the characterization to determining what is in the burial ground was contrasted to determining the footprint of the site for placement of a barrier. The Group did not resolve the issue and suggested that relevant guidance be checked.

5.0 ESTABLISH TECHNICAL DOCUMENT SUBTEAM

Ecology requested to be represented on the subteam working on the technical document and Laura Russell would select a point of contact. The U.S. Environmental Protection Agency (EPA) stated that they did not need to be involved at the working level.

6.0 STRATEGY DOCUMENT

The working draft of the Strategy Document will be out for review May 17, 1996. The document has only a limited section on priorities and does not include a schedule or the appendices. The review will be for 2 weeks. Laura Russell will coordinate and consolidate comments for Ecology.

7.0 ACTION ITEMS

The following action items were added to Attachment 4:

- Options evaluation factors should be reworded to capture meaning and use as a evaluation factor.
- Is the Strategy Document a primary document or secondary document per the Tri-Party Agreement?
- Provide project schedule for FY96.
- Priority subgroup should look at criteria for selecting "representative" sites.

8.0 PARKING LOT

Parking lot issues were deferred to the next meeting.

9.0 WRAP-UP

Next Meeting

- The next meeting is scheduled for June 6, 1996, at Ecology. A meeting of the subteam on prioritization will meet before the next meeting to address priorities for characterization (prioritization) and remediation, as well as global priorities.

Where Do We Go from Here

The following steps were proposed.

- The strategy document will be finalized and issued by September 30, 1996.

- During the review of the draft Strategy Document, each agency will seek management buy-in.

- As part of the buy-in process, a presentation would be jointly prepared for presentation to the IAMIT and HAB.

- Want the project schedule in the Strategy Document. The schedule should be based on sound planning by the group based on the strategy and not the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) integrated schedule. Any proposed changes to the Tri-Party Agreement should be based on showing progress. For example, the Draft A work plans for the 200 West and 200 East Areas should be submitted by December 1998.

- Want the strategy to provide an understanding of the next steps of the process (i.e., the relationships among the technical document, the work plan, and the DOWs).

- Want everyone to be clear on the role of the Strategy Document as a planning document to be used to coordinate with other programs, not set strategy for other programs.

AGENDA - 200 AREA STRATEGY PRIORITIES SUBTEAM
MAY 13, 1996, 1:00 - 4:00 PM
EPA OFFICES

1. Identify Issues Impacting Priorities

   - Resolve Closure Plans by 2000; Site Characterization by 2008

   - Work In Progress versus Work Implementing This Strategy
     BP-11, BP-1, UP-2, NRDWL, Hexone, Other RCRA Units?

   - Other Programs to Coordinate With
     Active 218 Burial Grounds, Canyon Entombment (proximity, removals), Congested Areas

2. Review Brainstorming From Full Team

3. Options for Approaching Prioritization

   - Use Technical Document to Set Priorities Based on Criteria Established Here

   - Evaluate Current Threat Sites as Parallel Path Effort

   - Establish Priorities Based on Groupings (1,5,2,3,8,4,9,7,6)

200 Area Strategy Subgroup Meeting Notes--5/13/96

This subgroup meeting was held to discuss "Priorities." Attendees included P. Beaver, J. Donnelly, B. Foley, M. Jaraysi, J. Woolard, G. Eidam, G. Mitchem, and C. Wittreich.

Items addressed included:

- Permit modification schedule (handout provided)
- Tri-Party Agreement Milestones (handout provided)
- Integration RCRA TSD and CERCLA
- Priorities for characterization (handout provided)

The bulk of the meeting was spent addressing prioritization for characterization. The goal was to establish a process for ranking analogous groups (to be defined in a technical document) for characterization based on criteria previously developed during brainstorming sessions with the Workshop Group. The subgroup reviewed each criterion and ranked each as high, medium, or low in importance. During the ranking process, several criteria statements were modified for clarification or eliminated because they were considered redundant. Key issues discussed included the following:

- Sites potentially impacting groundwater are sites with a known driving force (e.g., active sanitary sewer next to site) and mobile contaminants; only known driving sources are to be considered with respect to groundwater impacts.

- Future impacts to be defined as in the next 5 to 10 years.

- A good candidate analogous site is a site that is representative/analogous to a large (maximum) number of sites versus an analogous site representative of only a few sites.

- When assessing current threats, potential threats to the onsite worker apply. Surface exposure should be the principal concern.

- When assessing whether the chemistry is well understood, the assessment should be applied to the group, not individual waste sites, and restricted to contaminants/parameters of concern. Chemical complexing affecting mobility should be considered.

- An easier site is considered a site that is physically easier to characterize (e.g., only nonintrusive activities needed) such that progress can be demonstrated faster. A site requiring drilling/sampling boreholes is considered more difficult.

The subteam discussed how to best apply the rankings and recommended that a score be developed for each group using the following scale: high = 5, medium-high = 4, medium = 3, low = 1, not applicable = 0. If a group exhibits a certain criterion (e.g., currently impacts groundwater) and that criterion ranks high, a value of 5 would be assigned. If a group does not exhibit a certain criterion (not applicable), a value of 0 would be assigned.

DRAFT PRIORITIES RANKING 5/15/96

CONSOLIDATION OF CHARACTERIZATION PRIORITIES FROM BRAINSTORMING		
CRITERIA NUMBER	**SPECIFIC CRITERIA**	**CRITERIA RANKING**
1a	Impacts to groundwater (GW): past ~~and present~~	Low
1b	Impact to groundwater (GW): present	Med
2	Immediate future (5-10 years) of groundwater (GW) impacts	High
3	More mobile constituents versus less mobile constituents	Med-High
4	Sites subject to known driving forces	Low
5	No or limited characterization information including historical data	Med
	~~Limited characterization information~~	
6	Not a well understood chemistry promoting migration (increasing mobility) for group	Med-High
	~~Sites without analogous investigations completed~~	
7	Good candidate analogous sites (maximum number of sites addressed)	High
8	Long vs short half-life (long first over short lived)	Low
	~~Organics~~	
	~~Uranium/Pu~~	
	~~High risk~~	
	~~Low risk~~	
9	Current threat sites (surface threat) - short-term fix to lower its priority.	Low
	~~Hit current threat sites, then sites with "unknown" impacts, then work outside/in on low risk sites.~~	
	~~Sites with current work plans (take advantage of work already done - technical work, DQOs, work plans, etc.).~~	
	~~Sites with current work plans~~	
10	~~Minimum~~ Low-levels of expected contamination: ~~maximum~~ large area to be remediated	Med
11	Sites near perimeter of plateau vs core	Med
	~~Fill in the gaps sites~~	
	~~Group with largest geographic proximity~~	
12	Easier (vs more difficult) to characterize and/or remediate first	High
	~~Expected near surface sites~~	
13	Sites with contaminants that have identified potential treatability technologies associated with them	Med

CONSOLIDATION OF CHARACTERIZATION PRIORITIES FROM BRAINSTORMING	
SITES WITH POTENTIAL FOR GROUNDWATER IMPACTS NOW OR IN THE FORESEEABLE FUTURE	Impacts to groundwater (GW): past and present
	Immediate future of groundwater (GW) impacts
	More mobile constituents vs. less mobile constituents
	Sites subject to driving forces
SITES WITH DATA NEEDED TO COMPLETE THE PHYSICAL/CHEMICAL CONCEPTUAL MODEL	No characterization information
	Limited characterization information
	Data well understood; chemistry
	Sites with analogous investigations completed
SITES WITH HIGH RISK / LONG HALF-LIFE CONSTITUENTS VS LOW RISK /SHORT HALF-LIFE CONSTITUENTS	Long vs. short half-life
	Cesium
	Uranium/Pu
	High risk
	Low risk
	Current threat sites - short-term fix to lower its priority.
	Hit current threat sites, then sites with "unknown" impacts, then work outside/in on low risk sites.
SITES WITH CURRENT WORK PLANS	Sites with current work plans (take advantage of work already done - technical work, DQOs, work plans, etc.).

	Sites with current work plans
SITES THAT SHARE A GEOGRAPHICAL AREA DEFINED BY A FACILITY FOOTPRINT, LAND USE DEFINITION, OR COMMON LEVEL OF CONTAMINATION	Minimum expected contamination: maximum area to be remediated
	Sites near perimeter of plateau vs. core
	Fill in the gaps sites
	Group with largest geographic proximity
SITES EASIER VS MORE DIFFICULT TO CHARACTERIZE AND/OR REMEDIATE	Easier vs more difficult to characterize and/or remediate
	Expected near surface sites
	Good candidate analogous sites
SITES WITH POTENTIAL TREATABILITY TESTS	Sites with contaminants that have identified potential treatability technologies associated with them

CONSOLIDATION OF REMEDIAL ACTION PRIORITIZATION FROM BRAINSTORMING	
SITES THAT POSE AN IMMEDIATE THREAT TO WORKERS OR THE ENVIRONMENT	Hit current threat sites, then sites with "unknown" impacts, then work outside/in on low risk [illegible]
	Current threat sites - short-term fix to lower its priority
	High risk (unacceptable risk)
	Current spreading of contamination (surface groundwater)
SITES THAT CAN BE REMEDIATED WITH A SIMILAR REMEDY	Focus on remove/stabilize sites first, then go to capping site
	Remedy based prioritization: If cap is remedy over large area, this action may need to follow other remedies that actually remove/stabilize sites in multiple locations and must not impede other programs (e.g., Tank Waste Remediation System, etc.).
	Coordination of worker skills
SITES THAT ARE EASILY [illegible]EDIATED	Early actions that can show progress for recognition/political reasons
	Early action
	In parallel with characterization
	Easiest first
SITES THAT CAN B[illegible] CONJUNCTION WITH ACTIONS T[illegible]ROGRAMS	Coordination with other programs
	Interferences from ongoing activities and site infrastructure

May 12, 1996 (1PRIOR[illegible])

SITES THAT CAN BE REMEDIATED BY A GEOGRAPHICAL AREA DEFINED BY A FACILITY FOOTPRINT, LAND USE DEFINITION, OR COMMON LEVEL OF CONTAMINATION	Efficiency through remediation of large geographic area
	Proximity to other facilities
	Outside in

MILESTONES	DESC.	OU	DATE
M-13-11 (M-20-33) (M-20-34)		200-PO-2 216-A-10 CRIB 216-A-36B CRIB	6/30/98
M-13-12 (M-20-52)		200-PO-4 216-A-37 CRIB	10/31/98
M-13-13	1 WP	200-BP-2	12/31/98
M-13-13K	2 WP	200-PO-6 200-ZP-2	12/31/2000
M-13-00L	3 WP	200-BP-4 200-NO-1 200-IU-1	12/31/2001
M-13-00M	3 WP	200-BP-3 200-BP-9 200-RO-3	12/31/2002
M-13-14		200-IU-3	2/28/99
M-13-15 (M-20-39)		200-RO-1 216-S-10	6/30/99
M-13-16 (M-20-53)		200-PO-5 207 A RETENTION BASIN	10/31/99
M-13-17 (M-20-54)		200-SO-1 241 CX Tank	2/28/2000

Need to includes dollars in the planning case for the following work plans:

200-PO-2
200-PO-4
200-BP-2
200-IU-3 (PART OF THE MONEY IN 98)

PERMIT MODIFICATION SCHEDULE
Attachment 27

Year and Mod.	TSD/Unit	*	Status and Remarks
1994 Mod. 0	616 Storage Facility	B	In Rev. 0, Completed, approved
	305–B Storage Facility	B	In Rev. 0, Completed, approved
	183–H Solar Evaporation Basin	C	In Rev. 0, Completed approved
	300 Area Solvent Evaporator	CC	In Rev. 0, Completed, approved
	2727–S Storage Facility	CC	In Rev. 0, Completed, approved
1995 Mod. A	218–E–8 Borrow Pit Demolition Site	C	In Rev. 1, Completed, approved
	200 Area Ash Pit Demolition Site	C	In Rev. 1, Completed, approved
	216–B–3 Expansion Ponds	CC	In Rev. 1, Completed, approved
	2101 M Pond	C	In Rev. 1, Completed, approved
	Simulated High Level Waste Slurry Treatment & Storage	CC	In Rev. 1, Completed, approved
1995 Mod. A'	Hanford Patrol Academy Demolition	C	In Rev. 2, Completed, approved
	105–DR Large Sodium Fire Facility	C	In Rev. 2, Completed, approved
	304 Concretion Facility	C	In Rev. 2, Completed, approved
1996 Mod. B	PUREX Tunnels 1 & 2	B	
	300 Area Process Trenches[▽]	C	
	3718–F Alkali Metal Treatment	C	
	4843 Alkali Metal Storage	C	
1997 Mod. C	303–K Storage Facility	C	
	300 Waste Acid Treatment & Storage	C	
	325 Hazardous Waste Treatment Unit	B	
	200 Area Liquid Waste Complex	B	
	216–U–12 Crib	C	
	Low Level Burial Grounds	B	
1998 Mod. D	100 D Ponds	C	
	1324–N Surface Impoundment	C	
	1324–NA Percolation Pond	C	
	Hanford Central Waste Complex;	B	
	Waste Receiving & Processing (1)	B	
1999 Mod. E	222–S Laboratories;	B	
	Double Shell Tank System	B	
	1325–N Liquid Waste Disposal	C	
	1301–N Liquid Waste Disposal	C	
	Transuranic Storage and Assay Facility	B	
2000 Mod. F	216–B–3 Main Pond	C	
	216–B–63 Trench	C	
	216–A–29 Ditch	C	

Legend: * - Type of Permit C - Closure/PostClosure Plan
B - Part B Application CC - Clean Closed

Note:

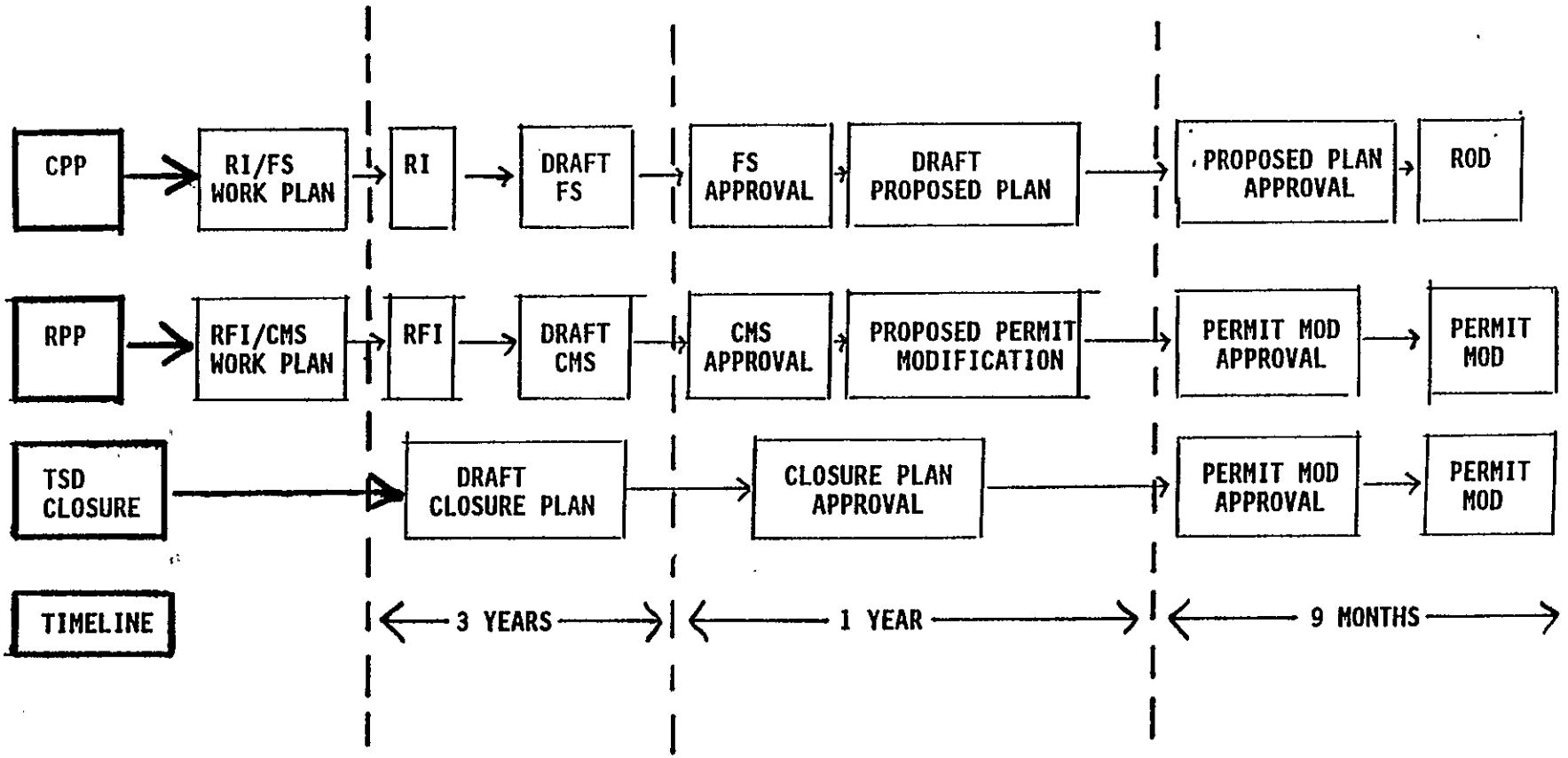
1. All TSD Units not shown in this table will be scheduled through a Class 1 1 Permit Modification (requiring prior approval) to Attachment 27.

2. All Permit Modifications listed in this table will be conducted in accordance with the applicable requirements in WAC 173–303–830.

3. New TSD Part B Applications, if submitted, will be added to this table through a Class 1 1 Permit Modification (requiring prior approval).

[▽]Closure plan/Postclosure plan to go through public comment in conjunction with 300-FF-1 O.U.

DECISION DOCUMENT APPROVAL CYCLE
FOR CERCLA, RCRA PAST PRACTICE AND RCRA CLOSURES



AGENDA
200 AREAS STRATEGY LEVEL OF CHARACTERIZATION SUBTEAM
MAY 15, 1996, 9:00 - NOON
ECOLOGY OFFICES

1. Develop Definitions

   - 200 Areas Analytical Strategy
   - Technical Document
   - Work Plan
   - RI/RFI Report
   - Characterization
   - Conceptual Model
   - Refined Conceptual Model
   - Analogous Sites
   - Representative Sites

2. Approach to Characterization
   - Graded/Phased Approach (Go for bad actors or indicator first)
   - Surface Contamination Approach
   - Use of Boreholes Versus Test Pits
   - Data to Verify/Refine Conceptual Model
   - Data to Support Evaluation and Selection of Remedial Alternative
   - Data to Support Limited Remedial Alternatives
   - Data to Support Remedial Design
   - Data to Determine If There is a Current Threat/Potential Threat

3. What Activities Are Covered In Which Documents/Steps
   - Generic Versus Refined
   - Group Versus Subgroup
   - Analogous Sites Versus Representative Sites

4. How Much Detail Is Needed For Documents/Steps
   - DQO for General Numbers and Types of Sampling
   - DQO for Specific List of Analytes, Analytical Techniques, etc.

200 AREAS CHARACTERIZATION SUBGROUP
MAY 15, 1996, MEETING NOTES

1. Establish groups/subgroups/representative sites based on criteria independent of RCRA/CERCLA. After this is done, if RCRA unit and CERCLA unit are close, pick the RCRA unit as the representative site.

2. a) Representative liquid waste disposal sites characterization use a graded or phased approach - start with full suite of analysis and during DQO process, determine which, if any, analyses are not necessary (i.e., process history indicated no organics in waste stream or field screening can be used where appropriate).

   - Chemical and radiochemical analytical data
   - Physical soil properties.

     Geologic Structures
     Cation Exchange Capacity
     Contamination Distribution (Nature, Extent, Levels, . . .)
     Mobility K_d
     Lateral Extent
     Soil Moisture Content.

   - Need for the data

     Refine the conceptual model
     Support treatability test
     Support quantitative risk assessment
     Resolve implementability of alternatives issues

   b) Boreholes are generally necessary, but may not be necessary for analogous sites. Level of characterization for analogous site should support remedial approach, as appropriate (i.e., a borehole to prove conceptual model applicability).

   - Choose borehole location based on other analytical data, such as test pits.
   - Use historical and previous analytical data to determine depth of boreholes.

   c) Surface sites use "Reclassification approach" when possible.

   Use RARA program information.
   Use common sense to take samples.
   Landlord activities are OK for removing surface contamination.

3. What Activities Go Where?

Strategy Document

Characterization Strategy is an Appendix with summary level detail.

Technical Document

- Conceptual model
- Define groups/subgroups
- Put sites in groups
- Pick representative sites.

Work Plan

- Pre-work plan group of documents
  - Master document (QAPP, Health & Safety Plan, etc.) included in first work plan and referenced in the second
  - QAPP includes analytical methods, detection limits, QC, etc.
- Level of characterization (number of boreholes, . . .) for representative sites to be investigated.
- Project schedule.

DOW

- Location of sampling and site-specific information (contaminant(s) of concern etc.).

200 Areas Strategy Meeting Grid

Participants	3/20/96 (mtg)	3/21/96 (mtg)	3/22/96 (mtg)	4/4,5,8/96 (char. grouping)	4/9/96 (tour)	4/10/96 (mtg)	4/18/96	5/8/96 (mtg)	5/15/96 (mtg)	
Bryan Foley	X	X	X	X	X	X	X	X	X	
Paul Beaver	X	X	X	X	X	X	X	X	X	
Dennis Faulk		X								
Joan Bartz	X	X	X			X	X	X	X	
Suzanne Dahl	X	X	X	X	X	X	X	X	X	
Jack Donnelly	X	X	X		X	X	X	X	X	
Norm Hepner								X	X	
Alisa Huckaby	X	X	X							
Moses Jaraysi	X	X	X							
Dave Lundstrom	X	X	X		X			X		
Shri Mohan	X				X	X	X	X	X	
Laura Russell	X	X			X	X		X	X	
Joan Woolard	X	X	X		X	X	X	X		
Greg Mitchem	X	X	X		X	X	X	X	X	
Greg Eidam	X	X	X		X	X				
Michael Galgoul	X	X	X		X	X	X	X	X	

Attachment 3

200 Areas Source Operable Unit Strategy Action Item List - (05/15/96)

No.	Performer	Description	Date Assigned	Due Date	Date Completed	Description of Closure
Tour Action Items						
1	ERC	Was there a Sr-90 release to Gable Mt Pond?	04/09/96	Hold	Hold	
2	ERC	Was there an overflow from Gable Mt Pond to West Lake?	04/09/96	Hold	Hold	
3	ERC	What is the physical status of the Hexone Tanks and what monitoring is being done?	04/09/96	Hold	Hold	
4	ERC	What is the well control for contaminants from the BC cribs, and what are the trends?	04/09/96	Hold	Hold	
5	ERC	Is there groundwater contamination associated with 200 N?	04/09/96	Hold	Hold	
6	ERC	What is currently going to B Pond, and why are there rad signs around B and C lobe?	04/09/96	05/17/96		
7	ERC	Why does a surface stabilized area exist SE of OU3 inside the fence?	04/09/96	05/17/96		
Tour Follow-on Work						
1	ERC	Is there 200 N groundwater contamination?	04/10/96	Hold	Hold	
2	ERC	Ditches versus trenches (and cribs; label open, closed, ????).	04/10/96	Hold	Hold	

Attachment 4

200 Areas Source Operable Unit Strategy Action Item List - (05/15/96)

No.	Performer	Description	Date Assigned	Due Date	Date Completed	Description of Closure
3	ERC	Are any septic tile fields around Z Plant active?	04/10/96	04/10/96	04/10/96	Yes, there are active septic fields around Z-Plant.
4		Waste-site groupings need field review to see how they fit (reality check).	04/10/96	Hold	Hold	Incorporate as part of technical document or work plan work.
5	DOE	B/C controlled area "risk" with windy season coming up and other surface contamination issues in the 200 Areas.	04/10/96	TBD		
Characterization Action Items						
1	ERC	How is first cycle supernatant related to high-level waste definitions? **(ERC)**	04/08/96	05/08/96		
2	ERC	Where did the muck removed from 361 tanks go? **(ERC)**	04/08/96	05/08/96		
3	ERC	Is A-39 in the tank farm? **(ERC)**	04/08/96	05/08/96		
4	ERC	Where is A-43 and A-44? **(ERC)**	04/08/96	05/08/96		
5	ERC	Is there a new 200 E Powerhouse Pond? **(ERC)**	04/08/96	05/08/96		
6	ERC	Need additional inventory information from the miscellaneous waste group sites to subcategorize.	04/08/96	Hold	Hold	Hold pending technical document determination.

Attachment 4

200 Areas Source Operable Unit Strategy Action Item List - (05/15/96)

No.	Performer	Description	Date Assigned	Due Date	Date Completed	Description of Closure
7	ERC	QA check on the waste-site type designations used in the grouping process (e.g., process condensate). Check with Stenner et al. (**ERC**)	04/08/96	Hold	Hold	Hold pending technical document determination.
8	Suzanne/Paul	Capture grouping philosophy - Narrative from subteam.	04/08/96	04/25/96	04/25/96	
General Action Items						
1	Tri-Parties	Public involvement before finalizing the 200 Areas Strategy will occur.	03/22/96	TBD		Establish date after working draft issued.
2	All	Any items in the workshop sourcebook that the team feels are a candidate for inclusion in the strategy should be highlighted for future consideration (have ready for field trip).	03/22/96	05/30/96		Evaluate during review of working draft.
3	All	Field trip, April 9, 1996 - RL to coordinate with Paul Beaver and Jack Donnelly. Anyone who can brief on a particular waste site/aggregate area will inform their agency's contact person. Bring lunch and sourcebook.	03/22/96	04/09/96	04/09/96	
4	All	Next meeting - April 10, 1996.	03/22/96	04/10/96	04/10/96	
5	Karl Fecht	Calculations for buffering capacity of soils (in liquid waste study).	03/21/96	03/22/96	03/22/96	Karl Fecht handed out material on 03/22/96.

Attachment 4

200 Areas Source Operable Unit Strategy Action Item List - (05/15/96)

No.	Performer	Description	Date Assigned	Due Date	Date Completed	Description of Closure
6	All	Collect public values.	03/22/96	04/10/96	04/10/96	It was decided that public values would not be included in the Strategy Document.
7	All	Read AAMSR before field trip.	03/22/96	04/09/96	04/09/96	
8	ERC	Strategy document describe "linkage" of final grouping criteria statements.	03/22/96	05/17/96		To be addressed in strategy document.
9	ERC	Provide adequate explanation of flowchart in strategy document.	03/22/96	05/17/96		To be addressed in strategy document.
10	ERC	Prepare participants grid for all the meetings.	03/22/96	04/18/96	04/18/96	
11	ERC	Get the meeting minutes from this meeting out early.	03/22/96	04/01/96	04/01/96	
12	All	Each team member to review lists generated in Section 8.0 to come up with additional brainstorming ideas on implementation and prioritization. These should be sent to Joan Woolard before the meeting.	03/22/96	04/10/96	04/10/96	Brainstorming completed in 04/10/96 meeting.
13	ERC	Submit revised annotated outline before meeting.	03/22/96	04/03/96	04/03/96	Outline submitted and revised in 04/10/96 meeting.
14	All	Evaluate need for an analytical strategy. Separate document or included in strategy.	05/02/96	05/15/96		Part of level of characterization subteam.

Attachment 4

200 Areas Source Operable Unit Strategy Action Item List - (05/15/96)

No.	Performer	Description	Date Assigned	Due Date	Date Completed	Description of Closure
15	ERC	Check to see what new information is available since the AAMRS (geophysical logging).	05/02/96			
16	ERC	Provide a copy of the analytical strategy.	05/02/96	05/08/96	05/08/96	
17	ERC	Pros/cons of work plan options (strategy recommendation versus "old way").	05/02/96			
18	ERC	Norm Hepner added to distribution list.	05/08/96	05/15/96	05/15/96	
19	ERC	Create project schedule showing work through 09/96.	05/08/96	05/22/96		
20	ERC	Applicability of landfill presumptive remedy to DOE burial grounds.	05/08/96	05/22/96		
21	ERC	Copy of phased response guidance.	05/08/96	05/15/96	05/15/96	
22	ERC/Ecology	Moses/Linda talk on RCRA issues.	05/08/96	05/15/96		
23	ERC	Options evaluation factors should be reworded to capture meaning and use as a evaluation factor.	05/15/96	06/06/96		
24	ERC	Is the Strategy Document a primary document or secondary document per TPA.	05/15/96	06/06/96		
25	ERC	Project schedule for FY96.	05/15/96	06/04/96		

Attachment 4

200 Areas Source Operable Unit Strategy Action Item List - (05/15/96)

No.	Performer	Description	Date Assigned	Due Date	Date Completed	Description of Closure
26	Ecology/EPA	Priority subgroup should look at criteria for selecting "representative" sites.	05/15/96	06/04/96		

Attachment 4

200 Areas Source Operable Unit Strategy Parking Lot Items - (05/15/96)

No.	Description	Date Assigned	Date Closed	Status	Description of Closure
1	100 mrem/yr basis - April 10th?	03/22/96		Linked with Item 3.	Try for next meeting after Item 3 discussion.
2	Presumptive remedies.	03/22/96	05/08/96		Consensus on integration with strategy document received.
3	Land use (industrial standard?) - April 10th? • Does characterization drive land use or does land use drive characterization? • Does characterization drive remedial decisions or does remedial decision drive characterization?	03/22/96		Elevated to decision-makers.	Meeting held 05/09/96 with Dave Lundstrom, Paul Beaver, Bryan Foley, and Doug Sherwood. Proposed language for an assumption was discussed. Revised assumption will be provided to all participants for further consideration. Issue still open.
4	Groundwater versus source correlations?	03/22/96			Prioritization issue. Hold pending priority discussion.
5	Consider waste site deletion candidates. (Do we know enough about some sites now to drop from further consideration?)	03/22/96	05/08/96		Waste site reclassification approach accepted.
6	Put remedial alternatives section in strategy document?	03/22/96	05/08/96		Outline addresses this approved.
7	Possible addition to assumptions list (from Suzanne Dahl). • Strategy actions must be considered against sitewide cumulative risk.	03/22/96			Item still open.
8	Waste disposal for the 200 Areas? - April 10th.	03/22/96			Included in Item 3 above.

200 Areas Source Operable Unit Strategy Parking Lot Items - (05/15/96)

No.	Description	Date Assigned	Date Closed	Status	Description of Closure
9	Scope of the technical document. How much data evaluation is needed and what belongs in the technical document versus the work plans. Geophysical logs and groundwater data, conceptual models.	05/03/96			Assign to subteam and present to full team.
10	Interim versus final action.	05/03/96	05/08/96		Deleted.
11	Level of risk assessment and characterization.	05/03/96			Assign to subteam and present to full team.
12	Include schedule in strategy document.	05/13/96			

Distribution
Unit Managers' Meeting: 200 Areas Remedial Action
200 Areas Remedial Action Strategy Work Shop
May 15, 1996

Bryan Foley ..... DOE-RL (H0-12)
Jim Hanson ..... DOE-RL (H0-12)
Heather Trumble ..... DOE-RL (H0-12)
Donna Wanek ..... DOE-RL (H0-12)

Dennis Faulk ..... EPA (B5-01)
Paul Beaver ..... EPA (B5-01)

Joan Bartz ..... WDOE (Kennewick)
Suzanne Dahl ..... WDOE (Kennewick)
Norm Hepner ..... WDOE (Kennewick)
Alisa Huckaby ..... WDOE (Kennewick)
Moses Jaraysi ..... WDOE (Kennewick)
Dave Lundstrom ..... WDOE (Kennewick)
Shri Mohan ..... WDOE (Kennewick)
Laura Russell ..... WDOE (Kennewick)
Jack Donnelly ..... WDOE (Kennewick)

Vern Dronen ..... ERC (H0-17)
Karl Fecht ..... ERC (H0-02)
Linda Mihalik ..... ERC (H9-12)
Greg Mitchem (3) ..... ERC (H0-17)
Michael Galgoul ..... ERC (H9-12)
Joan Woolard ..... ERC (H0-17)

Administrative Record ..... (H0-09)

Please inform Gary Gesell (372-9067) of BHI
of deletions or additions to the distribution list.